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K6A 1K7  
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**RBW109-3101-58-1-1**

**Job Sheet 194590**



**Part No:** RBW109-3101-58-1-1

**Job Qty:** 7 pcs

**Part Name:** Hammer, Steel



**Part Weight:** 0 lbs

**Status:** Scheduled

**Priority:** Medium

**Job Created:** 5/6/19

**Job Tracking No:**

**Due Date:** 6/14/19

**Created By:** Marie Lajeunesse

**Type:** Stock

**Description:**

**Note:** DWG RBW109-3101-58-1 Rev3 IPP Rev A 17.11.27 New issue DP Verify DD

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                     | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|-------------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                               |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 100   | Small Fab - 1                 | 7 pcs | 6/14/19    |          | 0.00      | 7.00    | Small Fab - 1         |           |          |
|       |                               |       |            |          |           |         | Small Fab - 2         |           | MLL      |
|       |                               |       |            |          |           |         | Small Fab - 3         |           |          |
|       |                               |       |            |          |           |         | Small Fab - 4         |           |          |
|       |                               |       |            |          |           |         | Small Fab - 5         |           |          |
|       |                               |       |            |          |           |         | Small Fab - 6         |           |          |
|       |                               |       |            |          |           |         | Small Fab - 7         |           |          |
| 110   | QC 5                          | 7 pcs | 6/14/19    |          | 0.00      | 0.00    | QC 5 - 10             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 12             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 17             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 18             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 19             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 22             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 24             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 3              |           |          |
|       |                               |       |            |          |           |         | QC 5 - 43             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 49             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 51             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 58             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 68             |           |          |
|       |                               |       |            |          |           |         | QC 5 - 9              |           |          |
| 130   | Packaging 3 - 1 - Stock - B4B | 7 pcs | 6/14/19    |          | 0.00      | 0.00    | Packaging 3 - 1 - B4B |           |          |
|       |                               |       |            |          |           |         | Packaging 3 - 2 - B4B |           |          |
|       |                               |       |            |          |           |         | Packaging 3 - 3 - B4B |           |          |
|       |                               |       |            |          |           |         | Packaging 3 - 4 - B4B |           |          |
|       |                               |       |            |          |           |         | Packaging 3 - 5 - B4B |           |          |
|       |                               |       |            |          |           |         | Packaging 3 - 6 - B4B |           |          |
|       |                               |       |            |          |           |         | Packaging 3 - 7 - B4B |           |          |



**Container No:** S183172



**Part:** RBW109-3101-58-1-1

**Job No:** 194590

**Serial No/Batch:** S183172

**Revision:** 3

**Inspector:**

**Exp Date:**

**Instructions:**

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Date: 05/23/19

DAS  
40  
9-89  
MAY 28 2019

|                |       |         |           |                        |      |
|----------------|-------|---------|-----------|------------------------|------|
|                |       |         |           | Packaging 3 - 8 - B4B  |      |
|                |       |         |           | Packaging 3 - 9 - B4B  |      |
|                |       |         |           | Packaging 3 - 10 - B4B |      |
|                |       |         |           | Packaging 3 - 11 - B4B |      |
|                |       |         |           | Packaging 3 - 12 - B4B |      |
|                |       |         |           | Packaging 3 - 13 - B4B |      |
|                |       |         |           | Packaging 3 - 14 - B4B |      |
|                |       |         |           | Packaging 3 - 15 - B4B |      |
|                |       |         |           | Packaging 3 - 16 - B4B |      |
|                |       |         |           | Packaging 3 - 17 - B4B |      |
|                |       |         |           | Packaging 3 - 18 - B4B |      |
|                |       |         |           | Packaging 3 - 19 - B4B |      |
|                |       |         |           | Packaging 3 - 20 - B4B |      |
|                |       |         |           | Packaging 3 - 21 - B4B |      |
|                |       |         |           | Packaging 3 - 22 - B4B |      |
|                |       |         |           | Packaging 3 - 23 - B4B |      |
|                |       |         |           | Packaging 3 - 24 - B4B |      |
|                |       |         |           | Packaging 3 - 25 - B4B |      |
|                |       |         |           | Packaging 3 - 26 - B4B |      |
|                |       |         |           | Packaging 3 - 27 - B4B |      |
|                |       |         |           | Packaging 3 - 28 - B4B |      |
|                |       |         |           | Packaging 3 - 29 - B4B |      |
|                |       |         |           | Packaging 3 - 30 - B4B |      |
|                |       |         |           | Packaging 3 - 31 - B4B |      |
|                |       |         |           | Packaging 3 - 32 - B4B |      |
|                |       |         |           | Packaging 3 - 33 - B4B |      |
|                |       |         |           | Packaging 3 - 34 - B4B |      |
|                |       |         |           | Packaging 3 - 35 - B4B |      |
|                |       |         |           | Packaging 3 - 36 - B4B |      |
| 140 QC 21 - SA | 7 pcs | 6/14/19 | 0.00 0.00 | QC 21 - SA - 21        | DAS  |
|                |       |         |           | QC 21 - SA - 70        | 21   |
|                |       |         |           | QC 21 - SA - 53        | 9-88 |

Part Op **100** - Small Fab - 1-Assemble as per DWG RBW109-3101-58-1 Sheet 2 2-Epoxy -5 shaft into -3 hammer head and -7  
 Descriptions: handle -LOCTITE 620 M 5166705 EXP; 11/10 \*\*\*8hr. cure time\*\*\* Start time 7:35am End time 12:45pm 27 mai  
**110** - QC5- Inspect part completeness to step on W/O  
**130** - Identify as per dwg & Stock Location: \_\_\_\_\_  
**140** - QC21- Final Inspection - Work Order Release

GA102

| Job BOM            |                |              |                   |           |
|--------------------|----------------|--------------|-------------------|-----------|
| Part / Item        | Component Name | Quantity     | Operation         | Container |
| RBW109-3101-58-1-3 | Hammer Head    | 7 pcs (1 ea) | 100-Small Fab - 1 | 5128750   |
| RBW109-3101-58-1-5 | Shaft          | 7 pcs (1 ea) | 100-Small Fab - 1 | 5173914   |
| RBW109-3101-58-1-7 | Handle         | 7 pcs (1 ea) | 100-Small Fab - 1 | 5115571   |

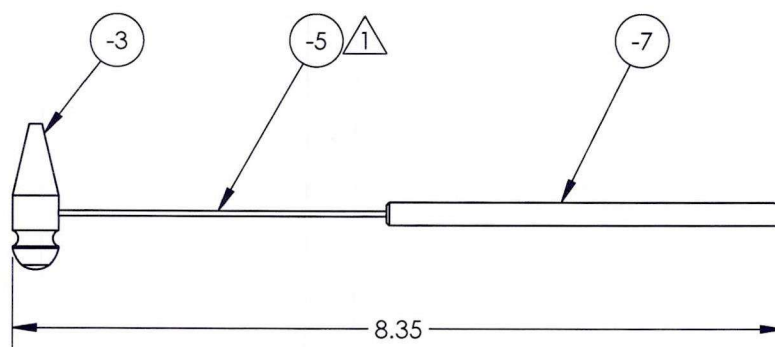
| Job Allocations   |                    |          |           |           |
|-------------------|--------------------|----------|-----------|-----------|
| Operation         | Component Part     | Required | Inventory | Allocated |
| 100-Small Fab - 1 | RBW109-3101-58-1-3 | 7        | 8         | 0         |
|                   | RBW109-3101-58-1-5 | 7        | 32        | 0         |
|                   | RBW109-3101-58-1-7 | 7        | 7         | 0         |

| Part Specifications                |  |
|------------------------------------|--|
| Specifications could not be found. |  |

Plex 5/23/19 7:22 AM dart.boucher.sylvie

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| REVISIONS |         |                                       |           |         |          |
|-----------|---------|---------------------------------------|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION                           | DATE      | INITIAL | APPROVED |
| 2         | 16-0212 | -1 CH'D DWG TO SHEET METAL TOLERANCE. | 11/4/2016 | RJC     | JAG      |



SHOP COPY  
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SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 194590 MWS  
19-0506

NOTE:

1 EPOXY -5 SHAFT INTO -3 HAMMER HEAD & -7 HANDLE.

(-1)  
HAMMER, STEEL

|                                                          |                                               |
|----------------------------------------------------------|-----------------------------------------------|
| <b>DART<br/>AEROSPACE</b>                                |                                               |
| TITLE HAMMER, STEEL, BLADE CORROSION AND VOIDS DETECTION |                                               |
| DWG NO. RBW109-3101-58-1-1                               | REV 3                                         |
| MAT'L                                                    | UNLESS OTHERWISE SPECIFIED                    |
| HEAT                                                     | DIMENSIONS ARE IN INCHES                      |
| TREAT                                                    | .XXX ± .010 FRACTIONS ± 1/8                   |
| FINISH                                                   | .XX ± .03 ANGLES ± 1°                         |
| SPEC                                                     | X ± .1 SURFACES = 125/                        |
| DRAWN BY: DUERFELDT                                      | 1. BREAK ALL SHARP EDGES                      |
| CHECKED: DUERFELDT                                       | .015 x 45° OR .015R                           |
| OPPS APPR: ANDERSON                                      | 2. DIMENSIONAL LIMITS APPLY                   |
| QA APPR: LINDSAY                                         | AFTER PLATING                                 |
| APPROVED: GILBERT                                        | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 1:2                                                | USED ON MODEL                                 |
| DATE 3/12/2015                                           | AW109/AW119                                   |
| SHEET 2 OF 5                                             |                                               |



Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                        | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |              |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                  | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        | MRB (QSI042) |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Disposition            |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Completed By           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lead hand / Supervisor |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | QC / QA Coordinator    |              |  |
| <b>Root Cause</b><br><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |                        |              |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |              |  |